

Best Pale Ale

- Gravity **15.7 BLG**
- ABV **6.6 %**
- IBU **61**
- SRM **5.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.9 liter(s)**
- Total mash volume **21.2 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **15.9 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **76C**
- Sparge using **14.7 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	5 kg (87.7%)	85 %	7
Grain	Carahell	0.3 kg (5.3%)	77 %	26
Sugar	cukier kandyzowany	0.4 kg (7%)	100 %	0

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	60 g	60 min	8.2 %
Aroma (end of boil)	marynka	30 g	15 min	8.2 %
Aroma (end of boil)	Lublin (Lubelski)	30 g	5 min	2.6 %
Dry Hop	Lublin (Lubelski)	30 g	5 day(s)	2.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	---